

DON Influenza SITREP

2013-2014 Influenza Season

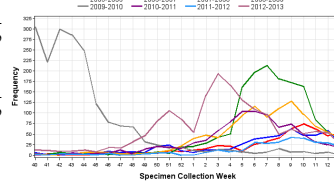
Week 40 (29 September 2013 — 5 October 2013)

Laboratory:

There were 83 laboratory positive influenza results among DON beneficiaries during Week 40 (above seasonal baseline). Influenza positive laboratory results this season are trending lower/higher compared to previous seasons. [More](#)

DON Laboratory Positive Influenza Cases: 2005-2006 to 2012-2013

Updated: Week 27 (June 30 - July 6, 2013)



Vaccination:

94.6% of Navy and 91.3% of Marine Corps active duty service members have received an influenza vaccine. [More](#)

More

All Navy and Marine Corps active duty cases in Week 27 were vaccinated. [More](#)

More

XX% of Navy active duty cases and XX% of Marine Corps active duty cases were vaccinated this season. [More](#)

More

Antivirals:

There were 247 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (246 oseltamivir, one zanamivir). Influenza-specific AV medications this season are trending lower/higher compared to previous seasons. [More](#)

Inpatient:

There were 28 inpatient influenza tests performed during Week 40; four were positive. 12 inpatient AV prescriptions were dispensed in this week and one inpatient case was reported to DRSi. [More](#)

Coinfections:

One coinfection was identified among DON beneficiaries during Week 40, a *Streptococcus* respiratory isolate. [More](#)

Active Duty & Recruits:

In Week 40, There were 16 laboratory positive influenza cases among DON active duty service members and two laboratory positive influenza cases among DON recruits. ILI rates for LANT and PAC Fleets in Week 40 were 0.01% and 0.06%, respectively. [More](#)

Children:

Laboratory influenza rates in the 0-4 and 5-17 age groups were 10.9 per 100,000 and 8.4 per 100,000, respectively. There were 88 AV prescriptions dispensed to children this week (36%). [More](#)

In the News:

See page 4 for this week's influenza news updates. [More](#)

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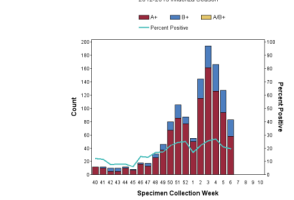


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Laboratory:

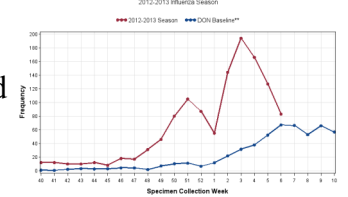
- There were 83 positive laboratory influenza results identified among DON beneficiaries in Week 6 (58 Type A, 25 Type B). One case was a dual infection.
- Top facilities this week: NMC San Diego (33), NH Camp Lejeune (seven), NH Lemoore (five), NH Twentynine Palms (five), Ft. Belvoir (five)
 - NMC San Diego has had the most cases this season (176), followed by NH Camp Lejeune (103) and NH Bremerton (83).
- During Week 6, 19.5% of all influenza tests performed were positive.
 - This is lower than the percent of tests with positive results in Week 6 of last season (20.8%).
- The number of cases this week remains above the seasonal baseline, but has decreased since Week 3.
- In Week 6, 50 cases were positive by rapid test, 24 were positive by PCR, and 8 were positive by culture (Table 1).

Influenza Positive DON MHS Laboratory Test Results by Type*



*Excludes USAMRIID positive results and duplicate positive results
*Cases may be added to additional collection weeks as results are received (CAC)

Comparison of Influenza Cases: Current Season and DON Baseline



*Excludes USAMRIID positive results and duplicate positive results
*Cases may be added to additional collection weeks as results are received (CAC)
*Weighted average of 2008-2009, 2010-2011, and 2011-2012 seasons (Weeks 40-13)

Table 1. Frequency of Testing Types among Positive Influenza Tests

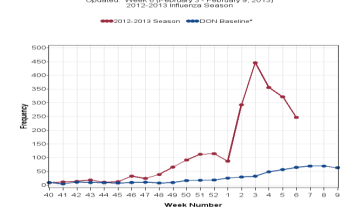
	Rapid	PCR	Culture	DFA	Unspecified
Week 6	61%	29%	10%	—	—
Season	58%	21%	20%	—	1%

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Antivirals:

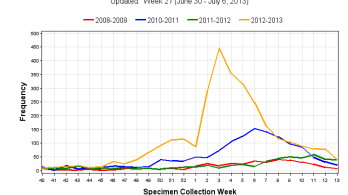
- There were 247 influenza-specific antiviral (AV) medications prescribed to DON beneficiaries this week (246 oseltamivir, one zanamivir). 12 of the antiviral prescriptions were in the inpatient setting.
- There have been 2,313 influenza-specific AV prescriptions dispensed to DON beneficiaries this season (25 amantadine, 2,283 oseltamivir, one rimantadine, four zanamivir).
- Antiviral prescriptions decreased during Week 6, but remain above seasonal baseline.

Comparison of Influenza Antiviral Prescriptions: Current Season and DON Baseline



*Weighted average of 2008-2009, 2010-2011, and 2011-2012 seasons (Weeks 40-13)

DON Influenza-Specific Antiviral Prescriptions: 2008-2009 to 2012-2013*



*2008-2010 USAMRIID Positive Results Excluded from Comparisons
Excludes USAMRIID positive results and duplicate positive results
*Cases may be added to additional collection weeks as results are received (CAC)
*Weighted average of 2008-2009, 2010-2011, and 2011-2012 seasons (Weeks 40-13)
*Prepared by: BSA/DA, Center for Disease Prevention and Control, 12 July 2013

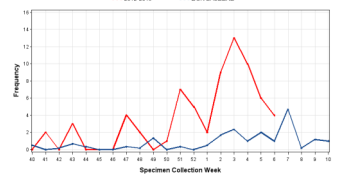
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Inpatient:

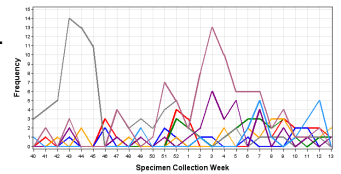
- There were 28 inpatient influenza tests performed among DON beneficiaries in Week 6; four tests were positive (three Type A, one Type B). All four of these cases were treated with antivirals.
 - Male Marine Corps recruit, age 18-44, positive for Type B by PCR at NMC San Diego.
 - Female Marine Corps child, age 0-4, positive for Type A by rapid test at NH Twentynine Palms.
 - The remaining two cases were Navy spouses at NMC San Diego positive for Type A by PCR.
- There were 12 AV medications prescribed in the inpatient setting this week (all oseltamivir).
 - The majority of this week's inpatient prescriptions were dispensed to female spouses age 45+ at NMC San Diego.
- There was one inpatient case reported to DRSi since last week; there have been 14 inpatient cases reported to DRSi this season. The case was a female active duty patient at NH Pensacola with onset during Week 6 not previously identified in HL7 surveillance efforts.
- Five (8.1%) of all laboratory positive inpatient cases have been reported to DRSi this season.

Influenza Positive Laboratory Results for DON Inpatient MEPRS Codes (A)
Updated: Week 6 (January 5 - January 10, 2013)
2012-2013 Influenza Season



Excludes USAF 504F 504F positive results and multiple positive results
Data may be subject to change as more data is received
Prepared by USMC Public Health Center, Navy and Marine Corps Public Health Center (17 July 2013)

DON Inpatient Laboratory Positive Influenza Cases: 2005-2006 to 2012-2013
Updated: Week 27 (June 30 - July 6, 2013)



Excludes USAF 504F 504F positive results and multiple positive results
Data may be subject to change as more data is received
Prepared by USMC Public Health Center, Navy and Marine Corps Public Health Center (17 July 2013)

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Coinfections:

- There was one coinfection identified among DON beneficiaries in Week XX (*Streptococcus*).
 - detailed case information** ([hyperlink to table "coinfections table"](#))
 - There were XX active duty cases identified during Week XX.
- There have been 39 coinfections identified among DON beneficiaries this season, XX% from respiratory specimens (xx% upper, XX% lower).

If/when the table grows too large, we'll show this week with a full table attachment.

Table 2. Coinfections Identified Among DON Influenza Cases			
Genus	Specimen Source		
	Lower Respiratory	Upper Respiratory	Other
<i>Staphylococcus</i>	X (x.x%)	X (x.x%)	X (x.x%)
<i>Streptococcus</i>	X (x.x%)	X (x.x%)	X (x.x%)

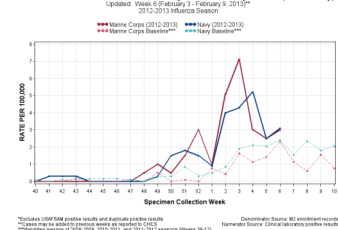
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Active Duty & Recruits:

- There were 16 positive laboratory influenza results among DON active duty service members in Week 6 (six Marine Corps, 10 Navy). 15 were Type A and one was Type B.
 - Cases were identified in eight different facilities, including NMC San Diego (seven) and NHC Hawaii (three).
 - Rates of influenza positive laboratory results are above baseline for Marine Corps and Navy active duty service members this week.
- There were two positive laboratory influenza results among DON recruits in Week 6. Both cases were male Marine Corps recruits at NMC San Diego. One recruit case was an inpatient case.
- One Marine Corps active duty service member received oseltamivir inpatient at NMC San Diego during Week 6.
- One Marine Corps recruit received oseltamivir inpatient at NMC San Diego during Week 6.

Influenza Positive DON MHS Laboratory Test Results by Service (Active Duty)*

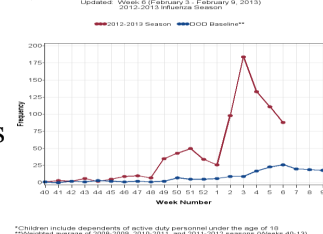


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Children:

- The rates of positive influenza results was highest in the 0-4 age group in Week 6 (10.9 per 100,000) followed by the 5-17 age group (8.4 per 100,000).
- There were 88 AV medications prescribed to children in Week 6. The number of AVs dispensed to children during Week 6 was remains above the seasonal baseline.

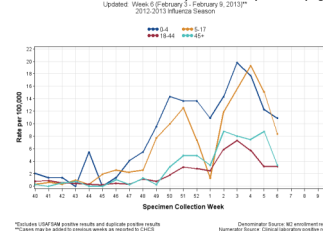
Comparison of Influenza Activity (Prescriptions at USAMP) - Current Season and DON Baseline



Other Age Groups:

- During Week 6, the laboratory influenza rates among the 18-44 and 45+ age groups were 3.1 and 3.4 per 100,000, respectively.

Influenza Positive DON MHS Laboratory Test Results by Beneficiary Age*



In the News:

- New cases of H3N2v influenza continue to be reported in the US, with limited person-to-person spread detected. [More](#)
- The Advisory Committee on Immunization Practices (ACIP) issued recommendations for influenza vaccination for the 2012-2013 season. [More](#)

